ASUS Inspiring Innovation • Persistent Perfection

RS300-E6/PS4

Green Server with High Expandability & Upgradability

RS300-E6/PS4 is a single-socket rack-mount server based on Dual-Core/Quad-Core Intel® 3400 series processor and Intel® 3420MCH chipset, which provides immediate performance scale up and high expandability and upgradability in the 1U server

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Support Up-to-date Intel CPU

The RS300-E6/PS4 is built with LGA Socket 1156, support 45nm Quad Core UP CPU and dual-channel DDR3-1333, and it is also designed ready for next-gen 32 nm Dual Core UP CPU to allow effortless migration to Intel's new platform and therefore prolong your investment. The ASUS proprietary CPU heat-pipe will deliver high thermal performance for stable computing applications.

High I/O Expandability

The RS300-E6 supports 2+1 I/O expansion slots in the 1U chassis, including one PCI-E x8 slot to support low-profile/half-length card, one PCI-E x16 slot to support full-height/half-length card, and another slot designed for ASUS optional PIKE card, which brings seamless upgrade to SAS storage and RAID protection.

Green Design with 80+ PSU & Intelligent Fan Control

With current trends leaning towards power efficiency, the RS300-E6/PS4 is equipped with 80+ PSU to reduce the power loss and power consumption, and save power bill for users. The ASUS intelligent FAN technology will optimize the total FAN power and acoustic level to create a pleasant working environment for customers.

Optional ASUS PIKE for Demand on Upgradability

In order to upgrade from SATA storage to SAS directly, ASUS recommends customers to use its optional PIKE Upgrade Kit, which is compatible with Intel® XEON 5500 & 3400 Series platform products. With PIKE, slim-sized and flexible storage options for customers can be achieved when upgrading directly to SAS RAID with multiple I/O solutions, without sacrificing expansion capabilities. Now maximize your I/O performance and data protection in second!

Remote Management Solution – ASUS ASMB4 iKVM

The optional ASMB4-iKVM upgrade kit provides remote real-time full control access to the system based on BIOS-level by keyboard, video monitor and mouse (KVM over Ethernet) from any local computer anywhere, anytime.

Save Effort with Auto-install CD

With the auto-install support CD, you don't need to wait and click "next" step by step, as the user's preferences are pre-configured in the CD. As well, the correct device drivers have been installed properly, and it's not necessary to update device drivers in OS, which will save time and effort of MIS.

Specifications

Processor / System Bus	1 x Socket 1156 Quad Core Intel Xeon 3400 series Server Processor Quad Core Intel Core i7-800 series Desktop Processor★ Quad Core Intel Core i5-700 series Desktop Processor★ Dual Core Clarkdale CPU design Ready ☆ * The Core i7/i5 series desktop processors support DDR3 1333/1066 unbuffered DIMM with non-ECC only.
Core Logic	Intel® 3420 PCH
ASUS Features	ASWM2.0
Memory	**Total Slots:** 6 (Lynnfied)/ 4 (Clarkdale) (2 Channel) **Capacity:** Maximum up to 32GB (RDIMM) (Lynnfield)/ Maximum up to 16GB (UDIMM) (Lynnfield/Clarkdale) **Memory Type:** DDR3 1066/1333 Reg DIMM/ Unbuffered DIMM with ECC **Memory Size:** 1GB 2GB 4GB (UDIMM)/ 1GB, 2GB, 4GB, 8GB* (RDIMM)
Expansion Slots	**Total Slots:** 2 **Slot Type:** 1 * PCI-E 2.0 x16 slot (x 8 link) (Full-Height/HL) 1 * PCI-E 2.0 x8 slot (x 8 link) (Low profile/HL) **Addditional Slot 1:** 1* PIKE Slot for Stroage Enhancement
Storage	**SATA Controller:** Intel® 3420: 4 SATA2 300MB/s ports Intel Matrix Storage (for Windows only) (Support software RAID 0, 1, 10 & 5) LSI® MegaRAID (for Linux/Windows) (Support software RAID 0, 1, 10) **SAS Controller:** Optional: Asus PIKE 1064E 8-port SAS RAID card Asus PIKE 1078 8-port SAS HW RAID card Asus PIKE 6480 8-port SAS RAID card
HDD Bays	4 x Hot-swap 3.5
Networking	**LAN:** 2 * Intel 82574L + 1 * Mgmt LAN
Graphic	**VGA:** Aspeed AST2050 8MB
Auxiliary Storage	1 x Slim-type Optical Device Bay (Options: No Device / DVD-RW)
On Board I/O	1 x External Serial Port 3 x RJ-45 ports (One for ASMB4-iKVM) 4 x USB2.0 ports (Front * 2, Rear * 2) 1 x VGA port 1 x PS/2 Keyboard port 1 x PS/2 Mouse port
OS Support	Windows® Server 2008 Enterprise 32/64-bit Windows® Server 2003 R2 Enterprise (32/64 bit) RedHat® Enterprise Linux AS5.0 (32/64 bit) SuSE® Linux Enterprise Server 10 (32/64 bit) (Subject to change without any notice)
Anti-virus Software	Optional Anti-Virus CD Pack
Management Solution	**Software:** ASWM2.0 **Out of Band Remote Management:** Optional ASMB4-iKVM for KVM-over-IP support
Safety	US/Canada (UL1950-CSA950) Europe (CE, EN55022 compliance to EU Directive 89/366/EEC) Europe (TUV)
EMI	US (FCC, CFR47 Part 15, Class A) Europe (CE, EN55022 & EN55024) Australia (C-TICK) Taiwan (BSMI) China (CCC)
Dimensions without Packing	615 mm (H) x 444 mm (W) x 43.4 mm (D)
Net Weight Kg (CPU, DRAM and HDD not included)	15 Kg
Power Supply	350W Single Power Supply 80 Plus
Environment	**Operation temperature:** 10°C ~ 35°C / Non operation temperature: -40°C ~ 70°C **Non operation humidity:** 20% ~ 90% (Non condensing)
Accessories	1 x User's Guide 1 x ASUS ASWM2.0 User's Guide 1 x Support CD 1 x Bag of Screws 1 x AC Power Cable

Optional Items	ASMB4-iKVM Remote Management Card CPU Heatsink Semi-Ball Bearing Rail Kit Slim-type Optical Device CA eTrust Anti-virus Software CD